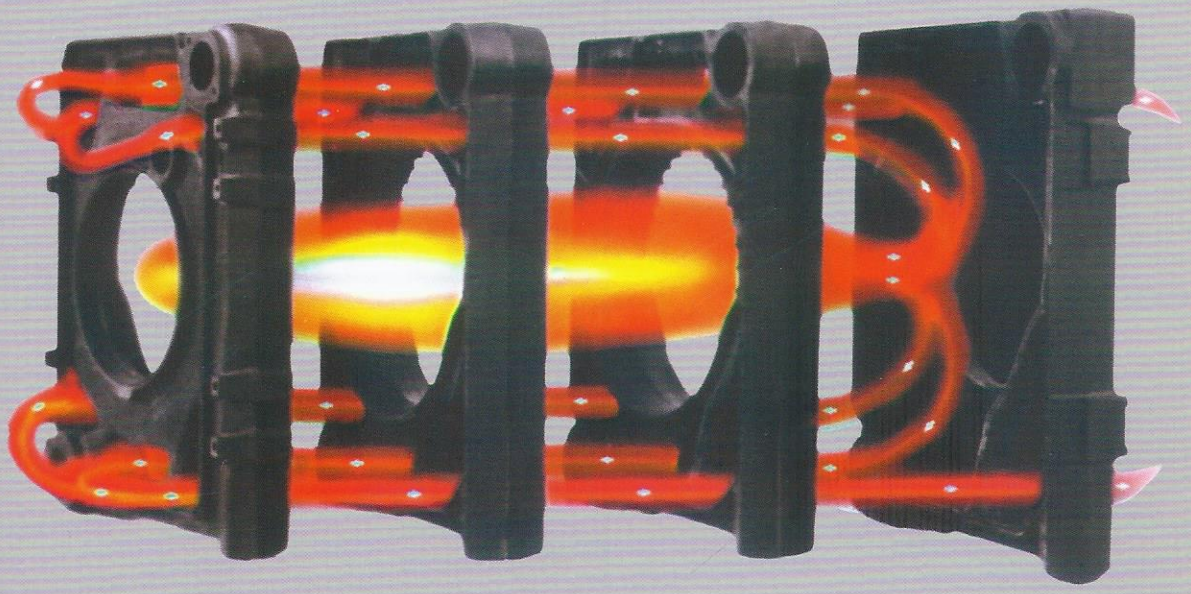
REO

CAST IRON BOILERS



REO TYPE **S**UPER **H**EAT

OUTPUT 90 000 - 1 300 000 KCal/H FOR:-

- HOSPITALS
- HOTELS
- INDUSTRIAL APPLICATIONS
- COMMERCIAL COMPLEXES

2011

REO

The philosophy of REO C.I.BOILERS from the beginning is to improve on an existing successful design, rather than to start from zero.

Continuous improvement through design and technological innovation has always been the focus of the producer Chauffagekar IND. Co.

A total quality approach, encompassing all operations, has facilitated growth and firmly established. the company consider as one of the world's leaders in Large cast iron boilers up to 1300000 kcal/h.

The company based in the industrial heartland of I.R.I has maintained the region's reputation for superior Engineering excellence 34 years of experience and manufacturing for more than 1'000'000 boilers with outputs starting from 30'000 Kcal/h up to 1'300'000 Kcal/h.

ISO 9002 URS ISO 9002 ISO 9002 ISO 9002

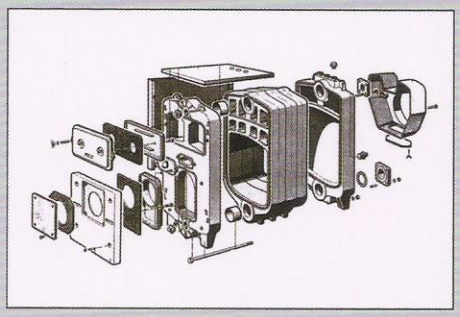
UKAS QUALITY MANAGEMENT
043-A

The foundation of Chauffagekar IND. Co is the people; training is therefore an integral element of the company's practice. Promoting and developing the company through apprenticeship, vocational qualifications, courses and seminars is a fundamental aspect of internal investment and with over 720 employed, the company can boost and dedicate work force, equipped with a wide range of occupational skills.

Down to earth style exemplifies the spirit of the company; Executive Directors work alongside competent staff, many of whom have developed with the company, and all of whom contribute to the same enterprising philosophy; A commitment to excellence.

The result is a modern factory with 80000 M2 of area (lands & buildings) equipped with the most recent technology including C.N.C. machinery.

The design and drawing offices are fully operational on C.A.D. and directly linked to the foundries and the machining centers.



The program of continuous improvement steers all company operations and has helped to create an ideal environment for innovation using the latest technology,

our resident team of expert designers and engineers are able to develop and refine ideas into tangible results.

This resource fulness lead to the unique design of the REO C.I.BOILERS a products which truly stands out in the field of boilers' engineering.

WHAT DOES REO C.I.BOILERS OFFER YOU

RAW MATERIALS

Only first class raw materials and accessories are used in the production of

REO C.I.BOILERS the boiler body is made from GG20 cast iron with high mechanical resistance and high thickness which guarantees maximum reliability and long life.

HIGH EFFICINCY

Due to the special design of the combustion chambers and high grade insulation. The design of the combustion chambers ensures optimum combustion. The flame is able to develop inside without any restriction and without creating any acoustic disturbances.

MINIMIZED THERMAL LOSSER

Due to the high grade insulation with aluminum foil around the boiler body.

SIMPLE MAINTENANCE

Due to the large flue gas access front doors, maintenance and cleaning of the cast iron exchanger can be done easy and fast.

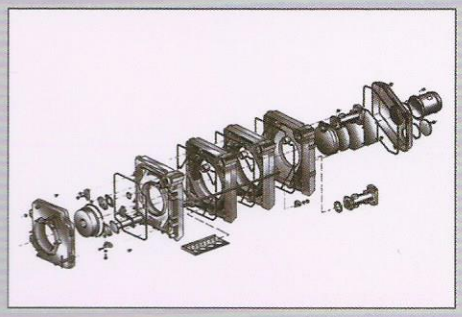
FLEXIBILITY

Efficient matching with all standard powered burners due to the low flue gas resistance.

Quality certification of the production process.

The production cycle includes:

- Testing of cast-iron characteristics for each casting.
- Testing of thickness
- Hydraulic testing of each element
- Hydraulic testing of the assembled body



REO

SH 1300

494000 - 1300000 KCAL/H

FOR ALL HEATING & HOT WATER APPLICATIONS

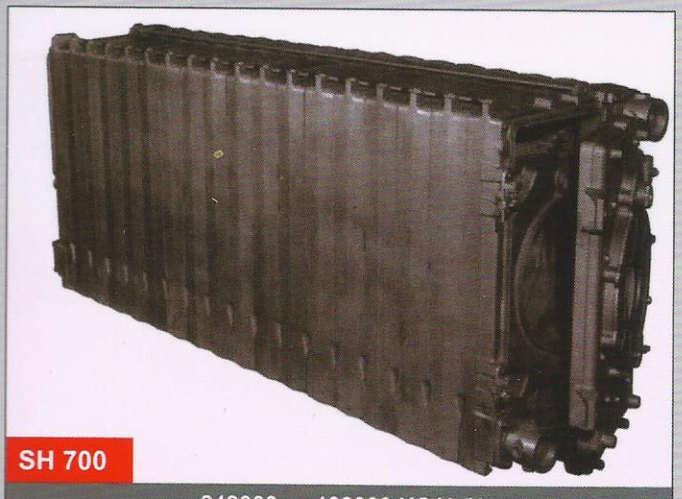
- HOSPITALS
- HOTELS
- INDUSTRIAL APPLICATIONS
- COMMERCIAL COMPLEXES

MAIN DESIGN FEATURES :-

REO C.I.BOILERS (SH 400 - SH 700 - SH 1300) .

comprise a central, large, combustion chamber surrounded by maximum finned flue gas passages resulting in :

- Maximum heat transfer surface between the flue gases and the water.



SH 700

- Hot water around the combustion chamber keeps it at high temperature, this results in a complete combustion with maximum ratio of CO2 and minimum ratio of CO, C and NOx in the flue gases.

- The rear section of the boiler is half water cooled with a central cast iron plate made from special material that is resistant to acids and covered with refractory material from the combustion chamber side.

This unique design has the following advantages:

Protecting the back section from being worn out in case of direct contact with flame Preventing thermal shocks.

SH 400

91500 - 221500 KCAL/H

Other important Design Features

- Large hinged front door that can be easily Swiveled out for cleaning and inspection of the combustion chamber and flue gas passages.

- A 2.5" perforated water distribution pipe is supplied on the return line of the boiler, this pipe travels from the back to the front of the boiler and ensures uniform distribution and mixing of return water with boiler water, this feature helps greatly in preventing thermal shocks and lengthens boiler lifetime.

REO C.I.BOILERS (SH 400 - SH 700 - SH 1300)

are supplied with cast iron tabulators that are installed inside the second and third flue gas passages. These tabulators control the flow of flue gases leading to a maximum heat gain from them before leaving into the chimney.

REO

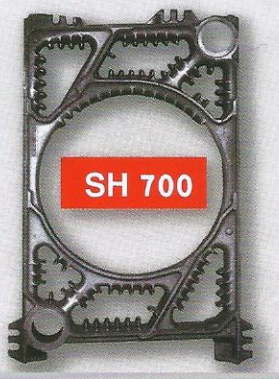
Technical Data & Dimensions

REO TYPE	Output KCAL/H	No. of sec.	Water content liter	Width mm	Length mm	Height mm	Weight kg
SH 407	91500	7	113	645	875	1018	607-
SH 408	113000	8	127	645	996	1018	680
SH 409	134000	9	141	645	1116	1018	752
SH 410	156000	10	155	645	1240	1018	825
SH 411	177500	11	169	645	1360	1018	897
SH 412	199000	12	183	645	1480	1018	970
SH 413	221500	13	197	645	1600	1018	1043

Max. Temperature 105 °C Working / Testing Pressure 6/10 BAR

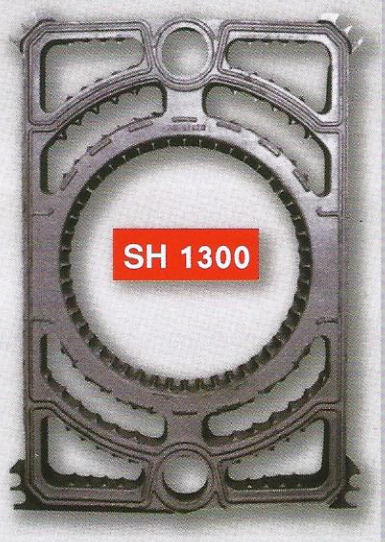
REO TYPE	Output KCAL/H	No. of sec.	Water content liter	Width mm	Length mm	Height mm	Weight kg
SH 708	248000	8	142	685	1480	1080	1000
SH 709	294000	9	159	685	1630	1080	1100
SH 710	338000	10	176	685	1780	1080	1200
SH 711	384000	11	193	685	1930	1080	1300
SH 712	431000	12	210	685	2080	1080	1400
SH 713	466000	13	227	685	2230	1080	1500

Max. Temperature 105 °C Working / Testing Pressure 6 / 10 BAR



REO TYPE	Output KCAL/H	No. of sec.	Water content liter	Width mm	Length mm	Height mm	Weight kg
SH 1307	494000	7	221	890	1420	1184	1760
SH 1308	556000	8	252	890	1580	1184	1980
SH 1309	618000	9	283	890	1740	1184	2200
SH 1310	680000	10	314	890	1900	1184	2420
SH 1311	742000	11	345	890	2060	1184	2640
SH 1312	804000	12	376	890	2220	1184	2860
SH 1313	866000	13	407	890	2380	1184	3080
SH 1314	928000	14	438	890	2540	1184	3300
SH 1315	990000	15	469	890	2700	1184	3520
SH 1316	1052000	16	500	890	2860	1184	3740
SH 1317	1114000	17	531	890	3020	1184	3960
SH 1318	1176000	18	562	890	3180	1184	4180
SH 1319	1238000	19	593	890	3340	1184	4400
SH 1320	1300000	20	624	890	3500	1184	4620

Max. Temperature 105 °C Working / Testing Pressure 6 /10 BAR



ISO 9002 URS ISO 9002

UKAS QUALITY MANAGEMENT 043-A

5 Years Guarantee

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